

SPEAKER ASSEMBLY

Abstract of the Disclosure

A pivoting panel-mount speaker assembly comprises a speaker housing. The speaker housing has a perimeter flange portion, an exterior housing wall extending rearwardly from the perimeter flange portion, and an interior curved track extending rearwardly from the perimeter flange portion. The interior curved track has an outward facing convex surface and an inward facing concave surface. The speaker assembly further comprises a speaker unit having a transducer element and a speaker frame supporting the transducer element. The speaker frame has an outward facing surface configured to slidably engage the inward facing concave surface of the housing interior curved track. The speaker assembly further comprises a speaker support member attached to the speaker unit. The speaker support member also has an inward facing surface configured to slidably engage the outward facing convex surface of the housing interior curved track. The speaker assembly further comprises a circuit panel having speaker control circuitry mounted thereon. The circuit panel is mounted to the exterior housing wall at one or more circuit panel attachment points. The speaker unit and the speaker support member are pivotable around a pivot point that is forward of the transducer element.

PATENT

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